



# BARGE "NGL 3021"

## ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
3 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 1'-00"  
 AFT DRAFT = 4'-00"  
 DIFF. = 3'-00" (DOWN BY STERN)

THE CORRECTION FOR 3'-00" TRIM DOWN BY STERN FOR 2 PORT IS - 00-1/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 238'-06"

April 25, 2019

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "NGL 3021"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	
0	0	0	0	0	205,406	0	190,456	0	175,435	0	160,376	0	145,317	0	130,258	0	115,199	0	100,136	
1/4		1/4		1/4	205,095	1/4	190,143	1/4	175,121	1/4	160,062	1/4	145,003	1/4	129,944	1/4	114,885	1/4	99,822	
1/2		1/2		1/2	204,785	1/2	189,830	1/2	174,807	1/2	159,748	1/2	144,689	1/2	129,631	1/2	114,572	1/2	99,508	
3/4		3/4		3/4	204,474	3/4	189,517	3/4	174,494	3/4	159,435	3/4	144,376	3/4	129,317	3/4	114,258	3/4	99,194	
1	1	1	1	204,163	1	189,204	1	174,180	1	159,121	1	144,062	1	129,003	1	113,944	1	98,881		
1/4		1/4		203,853	1/4	188,892	1/4	173,866	1/4	158,807	1/4	143,748	1/4	128,689	1/4	113,630	1/4	98,567		
1/2		1/2		203,542	1/2	188,579	1/2	173,552	1/2	158,493	1/2	143,435	1/2	128,376	1/2	113,317	1/2	98,253		
3/4		3/4		203,232	3/4	188,266	3/4	173,239	3/4	158,180	3/4	143,121	3/4	128,062	3/4	113,003	3/4	97,939		
2	2	2	2	202,921	2	187,953	2	172,925	2	157,866	2	142,807	2	127,748	2	112,689	2	97,625		
1/4		1/4		202,610	1/4	187,640	1/4	172,611	1/4	157,552	1/4	142,493	1/4	127,434	1/4	112,376	1/4	97,311		
1/2		1/2		202,300	1/2	187,327	1/2	172,297	1/2	157,239	1/2	142,180	1/2	127,121	1/2	112,062	1/2	96,997		
3/4		3/4		201,989	3/4	187,015	3/4	171,984	3/4	156,925	3/4	141,866	3/4	126,807	3/4	111,748	3/4	96,683		
3	3	3	3	201,678	3	186,702	3	171,670	3	156,611	3	141,552	3	126,493	3	111,434	3	96,370		
1/4		1/4		201,368	1/4	186,389	1/4	171,356	1/4	156,297	1/4	141,238	1/4	126,180	1/4	111,121	1/4	96,056		
1/2		1/2		201,057	1/2	186,076	1/2	171,043	1/2	155,984	1/2	140,925	1/2	125,866	1/2	110,807	1/2	95,742		
3/4		3/4		200,747	3/4	185,763	3/4	170,729	3/4	155,670	3/4	140,611	3/4	125,552	3/4	110,493	3/4	95,428		
4	4	4	4	200,436	4	185,451	4	170,415	4	155,356	4	140,297	4	125,238	4	110,179	4	95,114		
1/4		1/4		200,125	1/4	185,138	1/4	170,101	1/4	155,042	1/4	139,984	1/4	124,925	1/4	109,866	1/4	94,800		
1/2		1/2		199,815	1/2	184,825	1/2	169,788	1/2	154,729	1/2	139,670	1/2	124,611	1/2	109,552	1/2	94,486		
3/4		3/4		199,504	3/4	184,512	3/4	169,474	3/4	154,415	3/4	139,356	3/4	124,297	3/4	109,238	3/4	94,172		
5	5	5	5	199,193	5	184,199	5	169,160	5	154,101	5	139,042	5	123,983	5	108,924	5	93,858		
1/4		1/4		198,883	1/4	183,887	1/4	168,846	1/4	153,788	1/4	138,729	1/4	123,670	1/4	108,611	1/4	93,545		
1/2		1/2		198,572	1/2	183,574	1/2	168,533	1/2	153,474	1/2	138,415	1/2	123,356	1/2	108,297	1/2	93,231		
3/4		3/4		198,262	3/4	183,261	3/4	168,219	3/4	153,160	3/4	138,101	3/4	123,042	3/4	107,983	3/4	92,917		
6	6	6	6	197,951	6	182,948	6	167,905	6	152,846	6	137,787	6	122,729	6	107,669	6	92,603		
1/4		1/4		197,640	1/4	182,635	1/4	167,592	1/4	152,533	1/4	137,474	1/4	122,415	1/4	107,355	1/4	92,289		
1/2		1/2		197,330	1/2	182,322	1/2	167,278	1/2	152,219	1/2	137,160	1/2	122,101	1/2	107,041	1/2	91,975		
3/4		3/4		211,285	3/4	197,019	3/4	182,010	3/4	166,964	3/4	151,905	3/4	136,846	3/4	121,787	3/4	106,728	3/4	91,661
7	7	7	7	211,070	7	196,708	7	181,697	7	166,650	7	151,591	7	136,533	7	121,474	7	106,414	7	91,347
1/4		1/4		210,854	1/4	196,396	1/4	181,384	1/4	166,337	1/4	151,278	1/4	136,219	1/4	121,160	1/4	106,100	1/4	91,034
1/2		1/2		210,639	1/2	196,085	1/2	181,071	1/2	166,023	1/2	150,964	1/2	135,905	1/2	120,846	1/2	105,786	1/2	90,720
3/4		3/4		210,423	3/4	195,773	3/4	180,758	3/4	165,709	3/4	150,650	3/4	135,591	3/4	120,532	3/4	105,472	3/4	90,406
8	8	8	8	210,163	8	195,461	8	180,446	8	165,395	8	150,337	8	135,278	8	120,219	8	105,158	8	90,092
1/4		1/4		209,903	1/4	195,148	1/4	180,133	1/4	165,082	1/4	150,023	1/4	134,964	1/4	119,905	1/4	104,844	1/4	89,778
1/2		1/2		209,642	1/2	194,835	1/2	179,820	1/2	164,768	1/2	149,709	1/2	134,650	1/2	119,591	1/2	104,530	1/2	89,464
3/4		3/4		209,382	3/4	194,522	3/4	179,507	3/4	164,454	3/4	149,395	3/4	134,336	3/4	119,278	3/4	104,217	3/4	89,150
9	9	9	9	209,086	9	194,209	9	179,194	9	164,141	9	149,082	9	134,023	9	118,964	9	103,903	9	88,836
1/4		1/4		208,790	1/4	193,897	1/4	178,882	1/4	163,827	1/4	148,768	1/4	133,709	1/4	118,650	1/4	103,589	1/4	88,523
1/2		1/2		208,494	1/2	193,584	1/2	178,569	1/2	163,513	1/2	148,454	1/2	133,395	1/2	118,336	1/2	103,275	1/2	88,209
3/4		3/4		208,197	3/4	193,271	3/4	178,256	3/4	163,199	3/4	148,140	3/4	133,082	3/4	118,023	3/4	102,961	3/4	87,895
10	10	10	10	207,888	10	192,958	10	177,943	10	162,886	10	147,827	10	132,768	10	117,709	10	102,647	10	87,581
1/4		1/4		207,578	1/4	192,645	1/4	177,630	1/4	162,572	1/4	147,513	1/4	132,454	1/4	117,395	1/4	102,333	1/4	87,267
1/2		1/2		207,268	1/2	192,332	1/2	177,316	1/2	162,258	1/2	147,199	1/2	132,140	1/2	117,081	1/2	102,019	1/2	86,953
3/4		3/4		206,959	3/4	192,020	3/4	177,003	3/4	161,944	3/4	146,886	3/4	131,827	3/4	116,768	3/4	101,705	3/4	86,639
11	11	11	11	206,648	11	191,707	11	176,690	11	161,631	11	146,572	11	131,513	11	116,454	11	101,392	11	86,325
1/4		1/4		206,338	1/4	191,394	1/4	176,376	1/4	161,317	1/4	146,258	1/4	131,199	1/4	116,140	1/4	101,078	1/4	86,011
1/2		1/2		206,027	1/2	191,081	1/2	176,062	1/2	161,003	1/2	145,944	1/2	130,885	1/2	115,827	1/2	100,764	1/2	85,698
3/4		3/4		205,717	3/4	190,768	3/4	175,748	3/4	160,690	3/4	145,631	3/4	130,572	3/4	115,513	3/4	100,450	3/4	85,384

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "HERMETIC" VALVE  
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD

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## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	85,070	0	70,017	0	54,959	0	39,893	0	24,827	0	10,379	0		0		0		0	
1/4	84,756	1/4	69,704	1/4	54,645	1/4	39,579	1/4	24,514	1/4	10,100	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,442	1/2	69,390	1/2	54,331	1/2	39,266	1/2	24,200	1/2	9,821	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,128	3/4	69,077	3/4	54,018	3/4	38,952	3/4	23,886	3/4	9,541	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	83,814	1	68,764	1	53,704	1	38,638	1	23,572	1	9,265	1	1	1	1	1	1	1	1
1/4	83,500	1/4	68,450	1/4	53,390	1/4	38,324	1/4	23,258	1/4	8,990	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,187	1/2	68,137	1/2	53,076	1/2	38,010	1/2	22,944	1/2	8,714	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,873	3/4	67,824	3/4	52,762	3/4	37,696	3/4	22,630	3/4	8,438	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	82,559	2	67,511	2	52,448	2	37,382	2	22,317	2	8,166	2	2	2	2	2	2	2	2
1/4	82,245	1/4	67,197	1/4	52,134	1/4	37,068	1/4	22,003	1/4	7,894	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,931	1/2	66,884	1/2	51,820	1/2	36,755	1/2	21,690	1/2	7,622	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,617	3/4	66,570	3/4	51,507	3/4	36,441	3/4	21,376	3/4	7,350	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	81,303	3	66,257	3	51,193	3	36,127	3	21,064	3	7,082	3	3	3	3	3	3	3	3
1/4	80,989	1/4	65,943	1/4	50,879	1/4	35,813	1/4	20,752	1/4	6,814	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,676	1/2	65,630	1/2	50,565	1/2	35,499	1/2	20,441	1/2	6,545	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,362	3/4	65,316	3/4	50,251	3/4	35,185	3/4	20,129	3/4	6,277	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	80,048	4	65,003	4	49,937	4	34,871	4	19,820	4	6,012	4	4	4	4	4	4	4	4
1/4	79,734	1/4	64,689	1/4	49,623	1/4	34,558	1/4	19,511	1/4	5,748	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,420	1/2	64,375	1/2	49,309	1/2	34,244	1/2	19,202	1/2	5,483	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,106	3/4	64,061	3/4	48,996	3/4	33,930	3/4	18,893	3/4	5,218	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	78,792	5	63,748	5	48,682	5	33,616	5	18,588	5	4,957	5	5	5	5	5	5	5	5
1/4	78,478	1/4	63,434	1/4	48,368	1/4	33,302	1/4	18,283	1/4	4,696	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,165	1/2	63,120	1/2	48,054	1/2	32,988	1/2	17,978	1/2	4,435	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,851	3/4	62,806	3/4	47,740	3/4	32,674	3/4	17,673	3/4	4,174	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	77,537	6	62,492	6	47,426	6	32,360	6	17,371	6	3,917	6	6	6	6	6	6	6	6
1/4	77,224	1/4	62,178	1/4	47,112	1/4	32,047	1/4	17,070	1/4	3,660	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,910	1/2	61,864	1/2	46,798	1/2	31,733	1/2	16,768	1/2	3,403	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,596	3/4	61,550	3/4	46,485	3/4	31,419	3/4	16,467	3/4	3,146	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	76,283	7	61,237	7	46,171	7	31,105	7	16,169	7	2,893	7	7	7	7	7	7	7	7
1/4	75,970	1/4	60,923	1/4	45,857	1/4	30,791	1/4	15,871	1/4	2,641	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,656	1/2	60,609	1/2	45,543	1/2	30,477	1/2	15,574	1/2	2,388	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,343	3/4	60,295	3/4	45,229	3/4	30,163	3/4	15,276	3/4	2,135	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	75,030	8	59,981	8	44,915	8	29,849	8	14,982	8	1,906	8	8	8	8	8	8	8	8
1/4	74,716	1/4	59,667	1/4	44,601	1/4	29,536	1/4	14,688	1/4	1,676	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,403	1/2	59,353	1/2	44,288	1/2	29,222	1/2	14,394	1/2	1,447	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,090	3/4	59,039	3/4	43,974	3/4	28,908	3/4	14,100	3/4	1,218	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	73,777	9	58,726	9	43,660	9	28,594	9	13,809	9	1,049	9	9	9	9	9	9	9	9
1/4	73,463	1/4	58,412	1/4	43,346	1/4	28,280	1/4	13,519	1/4	881	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,150	1/2	58,098	1/2	43,032	1/2	27,966	1/2	13,228	1/2	713	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,837	3/4	57,784	3/4	42,718	3/4	27,652	3/4	12,938	3/4	545	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	72,523	10	57,470	10	42,404	10	27,338	10	12,651	10		10	10	10	10	10	10	10	10
1/4	72,210	1/4	57,156	1/4	42,090	1/4	27,025	1/4	12,364	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,897	1/2	56,842	1/2	41,777	1/2	26,711	1/2	12,078	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,583	3/4	56,528	3/4	41,463	3/4	26,397	3/4	11,791	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	71,270	11	56,215	11	41,149	11	26,083	11	11,508	11		11	11	11	11	11	11	11	11
1/4	70,957	1/4	55,901	1/4	40,835	1/4	25,769	1/4	11,225	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,644	1/2	55,587	1/2	40,521	1/2	25,455	1/2	10,942	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,330	3/4	55,273	3/4	40,207	3/4	25,141	3/4	10,659	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/23/2019 CL  
CALCULATED: 04/25/2019 CL  
PRINTED: 04/25/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "NGL 3021"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	204,197	0	189,304	0	174,342	0	159,344	0	144,345	0	129,346	0	114,347	0	99,344		
1/4	1/4	1/4	203,888	1/4	188,993	1/4	174,030	1/4	159,031	1/4	144,032	1/4	129,034	1/4	114,035	1/4	99,032		
1/2	1/2	1/2	203,578	1/2	188,681	1/2	173,717	1/2	158,719	1/2	143,720	1/2	128,721	1/2	113,722	1/2	98,719		
3/4	3/4	3/4	203,269	3/4	188,369	3/4	173,405	3/4	158,406	3/4	143,407	3/4	128,409	3/4	113,410	3/4	98,406		
1	1	1	202,959	1	188,058	1	173,092	1	158,094	1	143,095	1	128,096	1	113,097	1	98,094		
1/4	1/4	1/4	202,650	1/4	187,746	1/4	172,780	1/4	157,781	1/4	142,782	1/4	127,784	1/4	112,785	1/4	97,781		
1/2	1/2	1/2	202,341	1/2	187,435	1/2	172,467	1/2	157,469	1/2	142,470	1/2	127,471	1/2	112,472	1/2	97,468		
3/4	3/4	3/4	202,031	3/4	187,123	3/4	172,155	3/4	157,156	3/4	142,157	3/4	127,159	3/4	112,160	3/4	97,156		
2	2	2	201,722	2	186,812	2	171,843	2	156,844	2	141,845	2	126,846	2	111,847	2	96,843		
1/4	1/4	1/4	201,413	1/4	186,500	1/4	171,530	1/4	156,531	1/4	141,532	1/4	126,534	1/4	111,535	1/4	96,531		
1/2	1/2	1/2	201,103	1/2	186,189	1/2	171,218	1/2	156,219	1/2	141,220	1/2	126,221	1/2	111,222	1/2	96,218		
3/4	3/4	3/4	200,794	3/4	185,877	3/4	170,905	3/4	155,906	3/4	140,908	3/4	125,909	3/4	110,910	3/4	95,905		
3	3	3	200,484	3	185,565	3	170,593	3	155,594	3	140,595	3	125,596	3	110,598	3	95,593		
1/4	1/4	1/4	200,175	1/4	185,254	1/4	170,280	1/4	155,281	1/4	140,283	1/4	125,284	1/4	110,285	1/4	95,280		
1/2	1/2	1/2	199,866	1/2	184,942	1/2	169,968	1/2	154,969	1/2	139,970	1/2	124,971	1/2	109,973	1/2	94,967		
3/4	3/4	3/4	199,556	3/4	184,631	3/4	169,655	3/4	154,656	3/4	139,658	3/4	124,659	3/4	109,660	3/4	94,655		
4	4	4	199,247	4	184,319	4	169,343	4	154,344	4	139,345	4	124,346	4	109,348	4	94,342		
1/4	1/4	1/4	198,937	1/4	184,008	1/4	169,030	1/4	154,031	1/4	139,033	1/4	124,034	1/4	109,035	1/4	94,030		
1/2	1/2	1/2	198,628	1/2	183,696	1/2	168,718	1/2	153,719	1/2	138,720	1/2	123,721	1/2	108,723	1/2	93,717		
3/4	3/4	3/4	198,319	3/4	183,384	3/4	168,405	3/4	153,407	3/4	138,408	3/4	123,409	3/4	108,410	3/4	93,404		
5	5	5	198,009	5	183,073	5	168,093	5	153,094	5	138,095	5	123,096	5	108,098	5	93,092		
1/4	1/4	1/4	197,700	1/4	182,761	1/4	167,780	1/4	152,782	1/4	137,783	1/4	122,784	1/4	107,785	1/4	92,779		
1/2	1/2	1/2	197,391	1/2	182,450	1/2	167,468	1/2	152,469	1/2	137,470	1/2	122,472	1/2	107,473	1/2	92,466		
3/4	3/4	3/4	197,081	3/4	182,138	3/4	167,155	3/4	152,157	3/4	137,158	3/4	122,159	3/4	107,160	3/4	92,154		
6	6	6	196,772	6	181,827	6	166,843	6	151,844	6	136,845	6	121,847	6	106,847	6	91,841		
1/4	1/4	1/4	196,462	1/4	181,515	1/4	166,530	1/4	151,532	1/4	136,533	1/4	121,534	1/4	106,535	1/4	91,529		
1/2	1/2	210,362	196,153	1/2	181,204	1/2	166,218	1/2	151,219	1/2	136,220	1/2	121,222	1/2	106,222	1/2	91,216		
3/4	3/4	210,148	195,843	3/4	180,892	3/4	165,906	3/4	150,907	3/4	135,908	3/4	120,909	3/4	105,909	3/4	90,903		
7	7	209,933	195,533	7	180,580	7	165,593	7	150,594	7	135,595	7	120,597	7	105,597	7	90,591		
1/4	1/4	209,718	195,222	1/4	180,269	1/4	165,281	1/4	150,282	1/4	135,283	1/4	120,284	1/4	105,284	1/4	90,278		
1/2	1/2	209,504	194,912	1/2	179,957	1/2	164,968	1/2	149,969	1/2	134,971	1/2	119,972	1/2	104,972	1/2	89,965		
3/4	3/4	209,244	194,601	3/4	179,646	3/4	164,656	3/4	149,657	3/4	134,658	3/4	119,659	3/4	104,659	3/4	89,653		
8	8	208,985	194,289	8	179,334	8	164,343	8	149,344	8	134,346	8	119,347	8	104,346	8	89,340		
1/4	1/4	208,726	193,978	1/4	179,023	1/4	164,031	1/4	149,032	1/4	134,033	1/4	119,034	1/4	104,034	1/4	89,028		
1/2	1/2	208,467	193,666	1/2	178,711	1/2	163,718	1/2	148,719	1/2	133,721	1/2	118,722	1/2	103,721	1/2	88,715		
3/4	3/4	208,172	193,354	3/4	178,399	3/4	163,406	3/4	148,407	3/4	133,408	3/4	118,409	3/4	103,408	3/4	88,402		
9	9	207,877	193,043	9	178,088	9	163,093	9	148,094	9	133,096	9	118,097	9	103,096	9	88,090		
1/4	1/4	207,582	192,731	1/4	177,776	1/4	162,781	1/4	147,782	1/4	132,783	1/4	117,784	1/4	102,783	1/4	87,777		
1/2	1/2	207,287	192,420	1/2	177,465	1/2	162,468	1/2	147,470	1/2	132,471	1/2	117,472	1/2	102,471	1/2	87,464		
3/4	3/4	206,978	192,108	3/4	177,153	3/4	162,156	3/4	147,157	3/4	132,158	3/4	117,159	3/4	102,158	3/4	87,152		
10	10	206,670	191,797	10	176,841	10	161,843	10	146,845	10	131,846	10	116,847	10	101,845	10	86,839		
1/4	1/4	206,361	191,485	1/4	176,529	1/4	161,531	1/4	146,532	1/4	131,533	1/4	116,535	1/4	101,533	1/4	86,527		
1/2	1/2	206,053	191,174	1/2	176,217	1/2	161,218	1/2	146,220	1/2	131,221	1/2	116,222	1/2	101,220	1/2	86,214		
3/4	3/4	205,744	190,862	3/4	175,905	3/4	160,906	3/4	145,907	3/4	130,908	3/4	115,910	3/4	100,907	3/4	85,901		
11	11	205,434	190,550	11	175,592	11	160,593	11	145,595	11	130,596	11	115,597	11	100,595	11	85,589		
1/4	1/4	205,125	190,239	1/4	175,280	1/4	160,281	1/4	145,282	1/4	130,283	1/4	115,285	1/4	100,282	1/4	85,276		
1/2	1/2	204,816	189,927	1/2	174,967	1/2	159,968	1/2	144,970	1/2	129,971	1/2	114,972	1/2	99,970	1/2	84,963		
3/4	3/4	204,506	189,616	3/4	174,655	3/4	159,656	3/4	144,657	3/4	129,658	3/4	114,660	3/4	99,657	3/4	84,651		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "HERMETIC" VALVE  
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "NGL 3021"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	84,338	0	69,393	0	54,427	0	39,421	0	24,416	0	10,060	0		0		0		0	
1/4	84,026	1/4	69,083	1/4	54,114	1/4	39,109	1/4	24,103	1/4	9,781	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,713	1/2	68,773	1/2	53,802	1/2	38,796	1/2	23,791	1/2	9,503	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,400	3/4	68,462	3/4	53,489	3/4	38,484	3/4	23,478	3/4	9,228	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	83,088	1	68,152	1	53,177	1	38,171	1	23,165	1	8,954	1	1	1	1	1	1	1	1
1/4	82,775	1/4	67,842	1/4	52,864	1/4	37,858	1/4	22,853	1/4	8,679	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,462	1/2	67,532	1/2	52,551	1/2	37,546	1/2	22,540	1/2	8,405	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,150	3/4	67,221	3/4	52,239	3/4	37,233	3/4	22,228	3/4	8,134	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	81,837	2	66,911	2	51,926	2	36,920	2	21,915	2	7,863	2	2	2	2	2	2	2	2
1/4	81,525	1/4	66,601	1/4	51,614	1/4	36,608	1/4	21,603	1/4	7,592	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,212	1/2	66,291	1/2	51,301	1/2	36,295	1/2	21,291	1/2	7,321	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,899	3/4	65,980	3/4	50,988	3/4	35,983	3/4	20,980	3/4	7,054	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	80,587	3	65,669	3	50,676	3	35,670	3	20,670	3	6,786	3	3	3	3	3	3	3	3
1/4	80,274	1/4	65,358	1/4	50,363	1/4	35,357	1/4	20,359	1/4	6,519	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,961	1/2	65,047	1/2	50,050	1/2	35,045	1/2	20,048	1/2	6,252	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,649	3/4	64,736	3/4	49,738	3/4	34,732	3/4	19,741	3/4	5,988	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	79,336	4	64,424	4	49,425	4	34,420	4	19,433	4	5,725	4	4	4	4	4	4	4	4
1/4	79,023	1/4	64,113	1/4	49,113	1/4	34,107	1/4	19,126	1/4	5,461	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,711	1/2	63,801	1/2	48,800	1/2	33,794	1/2	18,818	1/2	5,197	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,399	3/4	63,489	3/4	48,487	3/4	33,482	3/4	18,514	3/4	4,938	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	78,087	5	63,178	5	48,175	5	33,169	5	18,210	5	4,678	5	5	5	5	5	5	5	5
1/4	77,775	1/4	62,866	1/4	47,862	1/4	32,856	1/4	17,906	1/4	4,418	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,463	1/2	62,554	1/2	47,549	1/2	32,544	1/2	17,602	1/2	4,158	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,152	3/4	62,242	3/4	47,237	3/4	32,231	3/4	17,302	3/4	3,902	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	76,841	6	61,929	6	46,924	6	31,919	6	17,002	6	3,646	6	6	6	6	6	6	6	6
1/4	76,530	1/4	61,617	1/4	46,612	1/4	31,606	1/4	16,702	1/4	3,390	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,219	1/2	61,305	1/2	46,299	1/2	31,293	1/2	16,401	1/2	3,133	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,909	3/4	60,992	3/4	45,986	3/4	30,981	3/4	16,105	3/4	2,882	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	75,599	7	60,679	7	45,674	7	30,668	7	15,808	7	2,630	7	7	7	7	7	7	7	7
1/4	75,288	1/4	60,367	1/4	45,361	1/4	30,355	1/4	15,512	1/4	2,378	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,978	1/2	60,054	1/2	45,049	1/2	30,043	1/2	15,215	1/2	2,126	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,668	3/4	59,742	3/4	44,736	3/4	29,730	3/4	14,922	3/4	1,898	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	74,357	8	59,429	8	44,423	8	29,418	8	14,629	8	1,670	8	8	8	8	8	8	8	8
1/4	74,047	1/4	59,116	1/4	44,111	1/4	29,105	1/4	14,336	1/4	1,441	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,737	1/2	58,804	1/2	43,798	1/2	28,792	1/2	14,043	1/2	1,213	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,427	3/4	58,491	3/4	43,485	3/4	28,480	3/4	13,754	3/4	1,045	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	73,116	9	58,178	9	43,173	9	28,167	9	13,465	9	878	9	9	9	9	9	9	9	9
1/4	72,806	1/4	57,866	1/4	42,860	1/4	27,855	1/4	13,175	1/4	710	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,496	1/2	57,553	1/2	42,548	1/2	27,542	1/2	12,886	1/2	543	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,186	3/4	57,241	3/4	42,235	3/4	27,229	3/4	12,601	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	71,875	10	56,928	10	41,922	10	26,917	10	12,315	10		10	10	10	10	10	10	10	10
1/4	71,565	1/4	56,615	1/4	41,610	1/4	26,604	1/4	12,029	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,255	1/2	56,303	1/2	41,297	1/2	26,291	1/2	11,744	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,945	3/4	55,990	3/4	40,984	3/4	25,979	3/4	11,462	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	70,634	11	55,678	11	40,672	11	25,666	11	11,180	11		11	11	11	11	11	11	11	11
1/4	70,324	1/4	55,365	1/4	40,359	1/4	25,354	1/4	10,898	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,014	1/2	55,052	1/2	40,047	1/2	25,041	1/2	10,616	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69,704	3/4	54,740	3/4	39,734	3/4	24,728	3/4	10,338	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/23/2019 CL  
CALCULATED: 04/25/2019 CL  
PRINTED: 04/25/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "NGL 3021"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	207,861	0	192,876	0	177,823	0	162,733	0	147,644	0	132,554	0	117,465	0	102,371		
1/4	1/4	1/4	207,550	1/4	192,563	1/4	177,508	1/4	162,419	1/4	147,330	1/4	132,240	1/4	117,151	1/4	102,057		
1/2	1/2	1/2	207,239	1/2	192,249	1/2	177,194	1/2	162,105	1/2	147,015	1/2	131,926	1/2	116,836	1/2	101,742		
3/4	3/4	3/4	206,928	3/4	191,936	3/4	176,880	3/4	161,790	3/4	146,701	3/4	131,611	3/4	116,522	3/4	101,428		
1	1	1	206,616	1	191,622	1	176,565	1	161,476	1	146,386	1	131,297	1	116,208	1	101,113		
1/4	1/4	1/4	206,305	1/4	191,309	1/4	176,251	1/4	161,162	1/4	146,072	1/4	130,983	1/4	115,893	1/4	100,799		
1/2	1/2	1/2	205,994	1/2	190,995	1/2	175,937	1/2	160,847	1/2	145,758	1/2	130,668	1/2	115,579	1/2	100,484		
3/4	3/4	3/4	205,683	3/4	190,682	3/4	175,622	3/4	160,533	3/4	145,443	3/4	130,354	3/4	115,265	3/4	100,170		
2	2	2	205,371	2	190,368	2	175,308	2	160,218	2	145,129	2	130,040	2	114,950	2	99,855		
1/4	1/4	1/4	205,060	1/4	190,055	1/4	174,993	1/4	159,904	1/4	144,815	1/4	129,725	1/4	114,636	1/4	99,541		
1/2	1/2	1/2	204,749	1/2	189,742	1/2	174,679	1/2	159,590	1/2	144,500	1/2	129,411	1/2	114,321	1/2	99,226		
3/4	3/4	3/4	204,438	3/4	189,428	3/4	174,365	3/4	159,275	3/4	144,186	3/4	129,096	3/4	114,007	3/4	98,912		
3	3	3	204,126	3	189,115	3	174,050	3	158,961	3	143,872	3	128,782	3	113,693	3	98,597		
1/4	1/4	1/4	203,815	1/4	188,801	1/4	173,736	1/4	158,647	1/4	143,557	1/4	128,468	1/4	113,378	1/4	98,283		
1/2	1/2	1/2	203,504	1/2	188,488	1/2	173,422	1/2	158,332	1/2	143,243	1/2	128,153	1/2	113,064	1/2	97,968		
3/4	3/4	3/4	203,193	3/4	188,174	3/4	173,107	3/4	158,018	3/4	142,928	3/4	127,839	3/4	112,750	3/4	97,654		
4	4	4	202,881	4	187,861	4	172,793	4	157,704	4	142,614	4	127,525	4	112,435	4	97,339		
1/4	1/4	1/4	202,570	1/4	187,547	1/4	172,479	1/4	157,389	1/4	142,300	1/4	127,210	1/4	112,121	1/4	97,025		
1/2	1/2	1/2	202,259	1/2	187,234	1/2	172,164	1/2	157,075	1/2	141,985	1/2	126,896	1/2	111,806	1/2	96,710		
3/4	3/4	3/4	201,948	3/4	186,921	3/4	171,850	3/4	156,760	3/4	141,671	3/4	126,582	3/4	111,492	3/4	96,395		
5	5	5	201,636	5	186,607	5	171,535	5	156,446	5	141,357	5	126,267	5	111,178	5	96,081		
1/4	1/4	1/4	201,325	1/4	186,294	1/4	171,221	1/4	156,132	1/4	141,042	1/4	125,953	1/4	110,863	1/4	95,766		
1/2	1/2	1/2	201,014	1/2	185,980	1/2	170,907	1/2	155,817	1/2	140,728	1/2	125,638	1/2	110,549	1/2	95,452		
3/4	3/4	3/4	200,702	3/4	185,667	3/4	170,592	3/4	155,503	3/4	140,414	3/4	125,324	3/4	110,234	3/4	95,137		
6	6	6	200,391	6	185,353	6	170,278	6	155,189	6	140,099	6	125,010	6	109,920	6	94,823		
1/4	1/4	1/4	214,375	1/4	200,080	1/4	185,040	1/4	169,964	1/4	154,874	1/4	139,785	1/4	124,695	1/4	109,605	1/4	94,508
1/2	1/2	1/2	214,159	1/2	199,768	1/2	184,726	1/2	169,649	1/2	154,560	1/2	139,470	1/2	124,381	1/2	109,291	1/2	94,194
3/4	3/4	3/4	213,943	3/4	199,456	3/4	184,413	3/4	169,335	3/4	154,246	3/4	139,156	3/4	124,067	3/4	108,976	3/4	93,879
7	7	7	213,728	7	199,144	7	184,099	7	169,021	7	153,931	7	138,842	7	123,752	7	108,662	7	93,565
1/4	1/4	1/4	213,512	1/4	198,832	1/4	183,786	1/4	168,706	1/4	153,617	1/4	138,527	1/4	123,438	1/4	108,347	1/4	93,250
1/2	1/2	1/2	213,251	1/2	198,518	1/2	183,473	1/2	168,392	1/2	153,302	1/2	138,213	1/2	123,124	1/2	108,033	1/2	92,936
3/4	3/4	3/4	212,990	3/4	198,205	3/4	183,159	3/4	168,077	3/4	152,988	3/4	137,899	3/4	122,809	3/4	107,718	3/4	92,621
8	8	8	212,729	8	197,891	8	182,846	8	167,763	8	152,674	8	137,584	8	122,495	8	107,404	8	92,307
1/4	1/4	1/4	212,468	1/4	197,578	1/4	182,532	1/4	167,449	1/4	152,359	1/4	137,270	1/4	122,180	1/4	107,089	1/4	91,992
1/2	1/2	1/2	212,172	1/2	197,264	1/2	182,219	1/2	167,134	1/2	152,045	1/2	136,956	1/2	121,866	1/2	106,774	1/2	91,678
3/4	3/4	3/4	211,875	3/4	196,951	3/4	181,905	3/4	166,820	3/4	151,731	3/4	136,641	3/4	121,552	3/4	106,460	3/4	91,363
9	9	9	211,578	9	196,637	9	181,592	9	166,506	9	151,416	9	136,327	9	121,237	9	106,145	9	91,049
1/4	1/4	1/4	211,281	1/4	196,324	1/4	181,278	1/4	166,191	1/4	151,102	1/4	136,012	1/4	120,923	1/4	105,831	1/4	90,734
1/2	1/2	1/2	210,971	1/2	196,011	1/2	180,965	1/2	165,877	1/2	150,788	1/2	135,698	1/2	120,609	1/2	105,516	1/2	90,420
3/4	3/4	3/4	210,661	3/4	195,697	3/4	180,651	3/4	165,563	3/4	150,473	3/4	135,384	3/4	120,294	3/4	105,202	3/4	90,105
10	10	10	210,350	10	195,384	10	180,337	10	165,248	10	150,159	10	135,069	10	119,980	10	104,887	10	89,791
1/4	1/4	1/4	210,040	1/4	195,070	1/4	180,023	1/4	164,934	1/4	149,844	1/4	134,755	1/4	119,666	1/4	104,573	1/4	89,476
1/2	1/2	1/2	209,729	1/2	194,757	1/2	179,709	1/2	164,619	1/2	149,530	1/2	134,441	1/2	119,351	1/2	104,258	1/2	89,162
3/4	3/4	3/4	209,418	3/4	194,443	3/4	179,395	3/4	164,305	3/4	149,216	3/4	134,126	3/4	119,037	3/4	103,944	3/4	88,847
11	11	11	209,107	11	194,130	11	179,080	11	163,991	11	148,901	11	133,812	11	118,722	11	103,629	11	88,533
1/4	1/4	1/4	208,795	1/4	193,816	1/4	178,766	1/4	163,676	1/4	148,587	1/4	133,498	1/4	118,408	1/4	103,315	1/4	88,218
1/2	1/2	1/2	208,484	1/2	193,503	1/2	178,451	1/2	163,362	1/2	148,273	1/2	133,183	1/2	118,094	1/2	103,000	1/2	87,904
3/4	3/4	3/4	208,173	3/4	193,190	3/4	178,137	3/4	163,048	3/4	147,958	3/4	132,869	3/4	117,779	3/4	102,686	3/4	87,589

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "HERMETIC" VALVE  
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "NGL 3021"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	86,960	1/4	71,863	1/4	56,766	1/4	41,684	1/4	26,596	1/4	11,500	1/4		1/4		1/4		1/4	
1/2	86,645	1/2	71,549	1/2	56,452	1/2	41,370	1/2	26,281	1/2	11,185	1/2		1/2		1/2		1/2	
3/4	86,331	3/4	71,234	3/4	56,137	3/4	41,056	3/4	25,967	3/4	10,871	3/4		3/4		3/4		3/4	
1	86,016	1	70,920	1	55,823	1	40,743	1	25,652	1	10,556	1		1		1		1	
1/4	85,702	1/4	70,605	1/4	55,508	1/4	40,429	1/4	25,338	1/4	10,242	1/4		1/4		1/4		1/4	
1/2	85,387	1/2	70,291	1/2	55,194	1/2	40,115	1/2	25,023	1/2	9,927	1/2		1/2		1/2		1/2	
3/4	85,073	3/4	69,976	3/4	54,879	3/4	39,801	3/4	24,709	3/4	9,612	3/4		3/4		3/4		3/4	
2	84,758	2	69,662	2	54,565	2	39,487	2	24,394	2	9,298	2		2		2		2	
1/4	84,444	1/4	69,347	1/4	54,250	1/4	39,173	1/4	24,080	1/4	8,983	1/4		1/4		1/4		1/4	
1/2	84,129	1/2	69,033	1/2	53,936	1/2	38,859	1/2	23,765	1/2	8,669	1/2		1/2		1/2		1/2	
3/4	83,815	3/4	68,718	3/4	53,621	3/4	38,545	3/4	23,451	3/4	8,354	3/4		3/4		3/4		3/4	
3	83,500	3	68,404	3	53,307	3	38,231	3	23,136	3	8,040	3		3		3		3	
1/4	83,186	1/4	68,089	1/4	52,992	1/4	37,917	1/4	22,822	1/4	7,725	1/4		1/4		1/4		1/4	
1/2	82,871	1/2	67,775	1/2	52,678	1/2	37,603	1/2	22,507	1/2	7,411	1/2		1/2		1/2		1/2	
3/4	82,557	3/4	67,460	3/4	52,363	3/4	37,289	3/4	22,193	3/4	7,096	3/4		3/4		3/4		3/4	
4	82,242	4	67,146	4	52,049	4	36,974	4	21,878	4	6,782	4		4		4		4	
1/4	81,928	1/4	66,831	1/4	51,734	1/4	36,660	1/4	21,564	1/4	6,467	1/4		1/4		1/4		1/4	
1/2	81,613	1/2	66,516	1/2	51,420	1/2	36,346	1/2	21,249	1/2	6,153	1/2		1/2		1/2		1/2	
3/4	81,299	3/4	66,202	3/4	51,105	3/4	36,031	3/4	20,935	3/4	5,838	3/4		3/4		3/4		3/4	
5	80,984	5	65,887	5	50,791	5	35,717	5	20,620	5	5,524	5		5		5		5	
1/4	80,670	1/4	65,573	1/4	50,476	1/4	35,402	1/4	20,306	1/4	5,209	1/4		1/4		1/4		1/4	
1/2	80,355	1/2	65,258	1/2	50,162	1/2	35,088	1/2	19,991	1/2	4,895	1/2		1/2		1/2		1/2	
3/4	80,041	3/4	64,944	3/4	49,847	3/4	34,773	3/4	19,677	3/4	4,581	3/4		3/4		3/4		3/4	
6	79,726	6	64,629	6	49,533	6	34,459	6	19,362	6	4,267	6		6		6		6	
1/4	79,412	1/4	64,315	1/4	49,219	1/4	34,144	1/4	19,048	1/4	3,952	1/4		1/4		1/4		1/4	
1/2	79,097	1/2	64,000	1/2	48,905	1/2	33,830	1/2	18,733	1/2	3,639	1/2		1/2		1/2		1/2	
3/4	78,783	3/4	63,686	3/4	48,591	3/4	33,515	3/4	18,419	3/4	3,325	3/4		3/4		3/4		3/4	
7	78,468	7	63,371	7	48,277	7	33,200	7	18,104	7	3,011	7		7		7		7	
1/4	78,154	1/4	63,057	1/4	47,963	1/4	32,886	1/4	17,790	1/4	2,698	1/4		1/4		1/4		1/4	
1/2	77,839	1/2	62,742	1/2	47,649	1/2	32,571	1/2	17,475	1/2	2,404	1/2		1/2		1/2		1/2	
3/4	77,525	3/4	62,428	3/4	47,335	3/4	32,257	3/4	17,161	3/4	2,110	3/4		3/4		3/4		3/4	
8	77,210	8	62,113	8	47,021	8	31,942	8	16,846	8	1,816	8		8		8		8	
1/4	76,896	1/4	61,799	1/4	46,707	1/4	31,628	1/4	16,532	1/4	1,522	1/4		1/4		1/4		1/4	
1/2	76,581	1/2	61,484	1/2	46,393	1/2	31,313	1/2	16,217	1/2	1,300	1/2		1/2		1/2		1/2	
3/4	76,266	3/4	61,170	3/4	46,079	3/4	30,999	3/4	15,903	3/4	1,077	3/4		3/4		3/4		3/4	
9	75,952	9	60,855	9	45,765	9	30,684	9	15,588	9	854	9		9		9		9	
1/4	75,637	1/4	60,541	1/4	45,451	1/4	30,370	1/4	15,274	1/4	631	1/4		1/4		1/4		1/4	
1/2	75,323	1/2	60,226	1/2	45,137	1/2	30,055	1/2	14,959	1/2		1/2		1/2		1/2		1/2	
3/4	75,008	3/4	59,912	3/4	44,823	3/4	29,741	3/4	14,645	3/4		3/4		3/4		3/4		3/4	
10	74,694	10	59,597	10	44,510	10	29,426	10	14,330	10		10		10		10		10	
1/4	74,379	1/4	59,283	1/4	44,196	1/4	29,112	1/4	14,016	1/4		1/4		1/4		1/4		1/4	
1/2	74,065	1/2	58,968	1/2	43,882	1/2	28,797	1/2	13,701	1/2		1/2		1/2		1/2		1/2	
3/4	73,750	3/4	58,654	3/4	43,568	3/4	28,483	3/4	13,387	3/4		3/4		3/4		3/4		3/4	
11	73,436	11	58,339	11	43,254	11	28,168	11	13,072	11		11		11		11		11	
1/4	73,121	1/4	58,025	1/4	42,940	1/4	27,854	1/4	12,758	1/4		1/4		1/4		1/4		1/4	
1/2	72,807	1/2	57,710	1/2	42,626	1/2	27,539	1/2	12,443	1/2		1/2		1/2		1/2		1/2	
3/4	72,492	3/4	57,396	3/4	42,312	3/4	27,225	3/4	12,129	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/23/2019 CL  
CALCULATED: 04/25/2019 CL  
PRINTED: 04/25/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "NGL 3021"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0	0	0	0	0	206,922	0	191,964	0	176,937	0	161,874	0	146,812	0	131,749	0	116,686	0	101,619		
1/4	1/4	1/4	1/4	1/4	206,612	1/4	191,651	1/4	176,623	1/4	161,561	1/4	146,498	1/4	131,435	1/4	116,373	1/4	101,306		
1/2	1/2	1/2	1/2	1/2	206,301	1/2	191,338	1/2	176,309	1/2	161,247	1/2	146,184	1/2	131,121	1/2	116,059	1/2	100,992		
3/4	3/4	3/4	3/4	3/4	205,990	3/4	191,025	3/4	175,996	3/4	160,933	3/4	145,870	3/4	130,808	3/4	115,745	3/4	100,678		
1	1	1	1	1	205,679	1	190,712	1	175,682	1	160,619	1	145,556	1	130,494	1	115,431	1	100,364		
1/4	1/4	1/4	1/4	1/4	205,369	1/4	190,399	1/4	175,368	1/4	160,305	1/4	145,243	1/4	130,180	1/4	115,117	1/4	100,050		
1/2	1/2	1/2	1/2	1/2	205,058	1/2	190,086	1/2	175,054	1/2	159,991	1/2	144,929	1/2	129,866	1/2	114,804	1/2	99,736		
3/4	3/4	3/4	3/4	3/4	204,747	3/4	189,773	3/4	174,740	3/4	159,678	3/4	144,615	3/4	129,552	3/4	114,490	3/4	99,422		
2	2	2	2	2	204,437	2	189,460	2	174,427	2	159,364	2	144,301	2	129,239	2	114,176	2	99,108		
1/4	1/4	1/4	1/4	1/4	204,126	1/4	189,148	1/4	174,113	1/4	159,050	1/4	143,987	1/4	128,925	1/4	113,862	1/4	98,794		
1/2	1/2	1/2	1/2	1/2	203,815	1/2	188,835	1/2	173,799	1/2	158,736	1/2	143,674	1/2	128,611	1/2	113,548	1/2	98,480		
3/4	3/4	3/4	3/4	3/4	203,504	3/4	188,522	3/4	173,485	3/4	158,422	3/4	143,360	3/4	128,297	3/4	113,235	3/4	98,166		
3	3	3	3	3	203,194	3	188,209	3	173,171	3	158,109	3	143,046	3	127,983	3	112,921	3	97,852		
1/4	1/4	1/4	1/4	1/4	202,883	1/4	187,896	1/4	172,857	1/4	157,795	1/4	142,732	1/4	127,670	1/4	112,607	1/4	97,538		
1/2	1/2	1/2	1/2	1/2	202,572	1/2	187,583	1/2	172,544	1/2	157,481	1/2	142,418	1/2	127,356	1/2	112,293	1/2	97,224		
3/4	3/4	3/4	3/4	3/4	202,262	3/4	187,270	3/4	172,230	3/4	157,167	3/4	142,105	3/4	127,042	3/4	111,979	3/4	96,910		
4	4	4	4	4	201,951	4	186,957	4	171,916	4	156,853	4	141,791	4	126,728	4	111,666	4	96,596		
1/4	1/4	1/4	1/4	1/4	201,640	1/4	186,644	1/4	171,602	1/4	156,540	1/4	141,477	1/4	126,414	1/4	111,352	1/4	96,282		
1/2	1/2	1/2	1/2	1/2	201,330	1/2	186,331	1/2	171,288	1/2	156,226	1/2	141,163	1/2	126,101	1/2	111,038	1/2	95,968		
3/4	3/4	3/4	3/4	3/4	201,019	3/4	186,019	3/4	170,975	3/4	155,912	3/4	140,849	3/4	125,787	3/4	110,724	3/4	95,654		
5	5	5	5	5	200,708	5	185,706	5	170,661	5	155,598	5	140,536	5	125,473	5	110,410	5	95,340		
1/4	1/4	1/4	1/4	1/4	200,397	1/4	185,393	1/4	170,347	1/4	155,284	1/4	140,222	1/4	125,159	1/4	110,096	1/4	95,026		
1/2	1/2	1/2	1/2	1/2	200,087	1/2	185,080	1/2	170,033	1/2	154,971	1/2	139,908	1/2	124,845	1/2	109,782	1/2	94,712		
3/4	3/4	3/4	3/4	3/4	199,776	3/4	184,767	3/4	169,719	3/4	154,657	3/4	139,594	3/4	124,532	3/4	109,468	3/4	94,398		
6	6	6	6	6	199,465	6	184,454	6	169,406	6	154,343	6	139,280	6	124,218	6	109,154	6	94,085		
1/4	1/4	1/4	1/4	1/4	213,425	1/4	199,155	1/4	184,141	1/4	169,092	1/4	154,029	1/4	138,967	1/4	123,904	1/4	108,840	1/4	93,771
1/2	1/2	1/2	1/2	1/2	213,209	1/2	198,843	1/2	183,828	1/2	168,778	1/2	153,715	1/2	138,653	1/2	123,590	1/2	108,527	1/2	93,457
3/4	3/4	3/4	3/4	3/4	212,994	3/4	198,532	3/4	183,515	3/4	168,464	3/4	153,402	3/4	138,339	3/4	123,276	3/4	108,213	3/4	93,143
7	7	7	7	7	212,778	7	198,220	7	183,203	7	168,150	7	153,088	7	138,025	7	122,963	7	107,899	7	92,829
1/4	1/4	1/4	1/4	1/4	212,562	1/4	197,909	1/4	182,890	1/4	167,837	1/4	152,774	1/4	137,711	1/4	122,649	1/4	107,585	1/4	92,515
1/2	1/2	1/2	1/2	1/2	212,302	1/2	197,596	1/2	182,577	1/2	167,523	1/2	152,460	1/2	137,398	1/2	122,335	1/2	107,271	1/2	92,201
3/4	3/4	3/4	3/4	3/4	212,042	3/4	197,283	3/4	182,264	3/4	167,209	3/4	152,146	3/4	137,084	3/4	122,021	3/4	106,957	3/4	91,887
8	8	8	8	8	211,781	8	196,970	8	181,951	8	166,895	8	151,833	8	136,770	8	121,707	8	106,643	8	91,573
1/4	1/4	1/4	1/4	1/4	211,521	1/4	196,657	1/4	181,638	1/4	166,581	1/4	151,519	1/4	136,456	1/4	121,394	1/4	106,329	1/4	91,259
1/2	1/2	1/2	1/2	1/2	211,225	1/2	196,344	1/2	181,325	1/2	166,268	1/2	151,205	1/2	136,142	1/2	121,080	1/2	106,015	1/2	90,945
3/4	3/4	3/4	3/4	3/4	210,928	3/4	196,031	3/4	181,012	3/4	165,954	3/4	150,891	3/4	135,829	3/4	120,766	3/4	105,701	3/4	90,631
9	9	9	9	9	210,632	9	195,718	9	180,699	9	165,640	9	150,577	9	135,515	9	120,452	9	105,387	9	90,317
1/4	1/4	1/4	1/4	1/4	210,336	1/4	195,405	1/4	180,387	1/4	165,326	1/4	150,264	1/4	135,201	1/4	120,138	1/4	105,073	1/4	90,003
1/2	1/2	1/2	1/2	1/2	210,026	1/2	195,092	1/2	180,073	1/2	165,012	1/2	149,950	1/2	134,887	1/2	119,825	1/2	104,759	1/2	89,689
3/4	3/4	3/4	3/4	3/4	209,716	3/4	194,780	3/4	179,760	3/4	164,699	3/4	149,636	3/4	134,573	3/4	119,511	3/4	104,445	3/4	89,375
10	10	10	10	10	209,407	10	194,467	10	179,447	10	164,385	10	149,322	10	134,260	10	119,197	10	104,131	10	89,061
1/4	1/4	1/4	1/4	1/4	209,097	1/4	194,154	1/4	179,134	1/4	164,071	1/4	149,008	1/4	133,946	1/4	118,883	1/4	103,817	1/4	88,747
1/2	1/2	1/2	1/2	1/2	208,786	1/2	193,841	1/2	178,820	1/2	163,757	1/2	148,695	1/2	133,632	1/2	118,569	1/2	103,503	1/2	88,433
3/4	3/4	3/4	3/4	3/4	208,476	3/4	193,528	3/4	178,506	3/4	163,443	3/4	148,381	3/4	133,318	3/4	118,255	3/4	103,189	3/4	88,119
11	11	11	11	11	208,165	11	193,215	11	178,192	11	163,130	11	148,067	11	133,004	11	117,942	11	102,875	11	87,805
1/4	1/4	1/4	1/4	1/4	207,855	1/4	192,902	1/4	177,878	1/4	162,816	1/4	147,753	1/4	132,690	1/4	117,628	1/4	102,561	1/4	87,491
1/2	1/2	1/2	1/2	1/2	207,544	1/2	192,589	1/2	177,565	1/2	162,502	1/2	147,439	1/2	132,377	1/2	117,314	1/2	102,247	1/2	87,177
3/4	3/4	3/4	3/4	3/4	207,233	3/4	192,276	3/4	177,251	3/4	162,188	3/4	147,126	3/4	132,063	3/4	117,000	3/4	101,933	3/4	86,864

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "HERMETIC" VALVE  
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
<http://www.pmacorp.net>





# BARGE "NGL 3021"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	86,550	0	71,634	0	56,843	0	41,924	0	26,863	0	11,793	0		0		0		0	
1/4	86,236	1/4	71,326	1/4	56,535	1/4	41,610	1/4	26,549	1/4	11,479	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,922	1/2	71,017	1/2	56,227	1/2	41,297	1/2	26,235	1/2	11,165	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,608	3/4	70,709	3/4	55,919	3/4	40,984	3/4	25,921	3/4	10,851	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	85,294	1	70,401	1	55,610	1	40,670	1	25,607	1	10,537	1	1	1	1	1	1	1	1
1/4	84,980	1/4	70,093	1/4	55,302	1/4	40,357	1/4	25,293	1/4	10,223	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,666	1/2	69,785	1/2	54,994	1/2	40,043	1/2	24,979	1/2	9,909	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,352	3/4	69,477	3/4	54,686	3/4	39,730	3/4	24,665	3/4	9,595	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	84,038	2	69,169	2	54,378	2	39,417	2	24,351	2	9,281	2	2	2	2	2	2	2	2
1/4	83,724	1/4	68,860	1/4	54,070	1/4	39,103	1/4	24,037	1/4	8,968	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,410	1/2	68,552	1/2	53,762	1/2	38,790	1/2	23,723	1/2	8,654	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,096	3/4	68,244	3/4	53,453	3/4	38,476	3/4	23,409	3/4	8,340	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	82,782	3	67,936	3	53,145	3	38,163	3	23,095	3	8,026	3	3	3	3	3	3	3	3
1/4	82,468	1/4	67,628	1/4	52,837	1/4	37,850	1/4	22,781	1/4	7,712	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,154	1/2	67,320	1/2	52,529	1/2	37,536	1/2	22,467	1/2	7,398	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,840	3/4	67,012	3/4	52,221	3/4	37,222	3/4	22,153	3/4	7,084	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	81,526	4	66,703	4	51,913	4	36,909	4	21,839	4	6,770	4	4	4	4	4	4	4	4
1/4	81,212	1/4	66,395	1/4	51,605	1/4	36,595	1/4	21,525	1/4	6,456	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,899	1/2	66,087	1/2	51,296	1/2	36,281	1/2	21,211	1/2	6,142	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,587	3/4	65,779	3/4	50,988	3/4	35,967	3/4	20,898	3/4	5,828	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	80,274	5	65,471	5	50,680	5	35,653	5	20,584	5	5,514	5	5	5	5	5	5	5	5
1/4	79,961	1/4	65,163	1/4	50,372	1/4	35,339	1/4	20,270	1/4	5,200	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,651	1/2	64,855	1/2	50,062	1/2	35,025	1/2	19,956	1/2	4,886	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,341	3/4	64,546	3/4	49,752	3/4	34,711	3/4	19,642	3/4	4,573	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	79,031	6	64,238	6	49,442	6	34,397	6	19,328	6	4,259	6	6	6	6	6	6	6	6
1/4	78,721	1/4	63,930	1/4	49,131	1/4	34,083	1/4	19,014	1/4	3,945	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,413	1/2	63,622	1/2	48,818	1/2	33,769	1/2	18,700	1/2	3,632	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,105	3/4	63,314	3/4	48,504	3/4	33,455	3/4	18,386	3/4	3,319	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	77,797	7	63,006	7	48,191	7	33,142	7	18,072	7	3,006	7	7	7	7	7	7	7	7
1/4	77,488	1/4	62,698	1/4	47,877	1/4	32,828	1/4	17,758	1/4	2,693	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,180	1/2	62,389	1/2	47,564	1/2	32,514	1/2	17,444	1/2	2,400	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,872	3/4	62,081	3/4	47,251	3/4	32,200	3/4	17,130	3/4	2,106	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	76,564	8	61,773	8	46,937	8	31,886	8	16,816	8	1,813	8	8	8	8	8	8	8	8
1/4	76,256	1/4	61,465	1/4	46,624	1/4	31,572	1/4	16,502	1/4	1,520	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,948	1/2	61,157	1/2	46,311	1/2	31,258	1/2	16,188	1/2	1,297	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,640	3/4	60,849	3/4	45,997	3/4	30,944	3/4	15,874	3/4	1,075	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	75,331	9	60,541	9	45,684	9	30,630	9	15,560	9	853	9	9	9	9	9	9	9	9
1/4	75,023	1/4	60,233	1/4	45,371	1/4	30,316	1/4	15,246	1/4	630	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,715	1/2	59,924	1/2	45,057	1/2	30,002	1/2	14,933	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,407	3/4	59,616	3/4	44,744	3/4	29,688	3/4	14,619	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	74,099	10	59,308	10	44,430	10	29,374	10	14,305	10		10	10	10	10	10	10	10	10
1/4	73,791	1/4	59,000	1/4	44,117	1/4	29,060	1/4	13,991	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,483	1/2	58,692	1/2	43,804	1/2	28,746	1/2	13,677	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,174	3/4	58,384	3/4	43,490	3/4	28,432	3/4	13,363	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	72,866	11	58,076	11	43,177	11	28,118	11	13,049	11		11	11	11	11	11	11	11	11
1/4	72,558	1/4	57,767	1/4	42,864	1/4	27,804	1/4	12,735	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,250	1/2	57,459	1/2	42,550	1/2	27,490	1/2	12,421	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,942	3/4	57,151	3/4	42,237	3/4	27,177	3/4	12,107	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/23/2019 CL  
CALCULATED: 04/25/2019 CL  
PRINTED: 04/25/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "NGL 3021"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	190,907	0	180,593	0	170,231	0	159,845	0	147,403	0	132,394	0	117,369	0	102,333
1/4	1/4	1/4	1/4	1/4	190,693	1/4	180,377	1/4	170,015	1/4	159,628	1/4	147,092	1/4	132,081	1/4	117,056	1/4	102,020
1/2	1/2	1/2	1/2	1/2	190,479	1/2	180,161	1/2	169,798	1/2	159,412	1/2	146,781	1/2	131,768	1/2	116,743	1/2	101,706
3/4	3/4	3/4	3/4	3/4	190,264	3/4	179,946	3/4	169,582	3/4	159,196	3/4	146,470	3/4	131,455	3/4	116,430	3/4	101,393
1	1	1	1	1	190,050	1	179,730	1	169,366	1	158,979	1	146,159	1	131,142	1	116,117	1	101,080
1/4	1/4	1/4	1/4	1/4	189,836	1/4	179,514	1/4	169,149	1/4	158,763	1/4	145,848	1/4	130,829	1/4	115,804	1/4	100,766
1/2	1/2	1/2	1/2	1/2	189,622	1/2	179,298	1/2	168,933	1/2	158,546	1/2	145,537	1/2	130,516	1/2	115,491	1/2	100,453
3/4	3/4	3/4	3/4	3/4	189,407	3/4	179,083	3/4	168,717	3/4	158,321	3/4	145,225	3/4	130,203	3/4	115,178	3/4	100,139
2	2	2	2	2	189,193	2	178,867	2	168,500	2	158,095	2	144,913	2	129,890	2	114,865	2	99,826
1/4	1/4	1/4	1/4	1/4	188,979	1/4	178,651	1/4	168,284	1/4	157,870	1/4	144,601	1/4	129,577	1/4	114,551	1/4	99,512
1/2	1/2	1/2	1/2	1/2	188,765	1/2	178,435	1/2	168,067	1/2	157,644	1/2	144,289	1/2	129,264	1/2	114,238	1/2	99,199
3/4	3/4	3/4	3/4	3/4	188,550	3/4	178,219	3/4	167,851	3/4	157,404	3/4	143,976	3/4	128,951	3/4	113,925	3/4	98,886
3	3	3	3	3	188,336	3	178,004	3	167,635	3	157,163	3	143,663	3	128,638	3	113,612	3	98,572
1/4	1/4	1/4	1/4	1/4	188,122	1/4	177,788	1/4	167,418	1/4	156,922	1/4	143,350	1/4	128,325	1/4	113,299	1/4	98,259
1/2	1/2	1/2	1/2	1/2	187,907	1/2	177,572	1/2	167,202	1/2	156,682	1/2	143,037	1/2	128,012	1/2	112,986	1/2	97,945
3/4	3/4	3/4	3/4	3/4	187,693	3/4	177,356	3/4	166,985	3/4	156,441	3/4	142,724	3/4	127,699	3/4	112,673	3/4	97,632
4	4	4	4	4	187,479	4	177,141	4	166,769	4	156,200	4	142,411	4	127,386	4	112,360	4	97,318
1/4	1/4	1/4	1/4	1/4	187,265	1/4	176,925	1/4	166,553	1/4	155,960	1/4	142,098	1/4	127,073	1/4	112,047	1/4	97,005
1/2	1/2	1/2	1/2	1/2	187,050	1/2	176,709	1/2	166,336	1/2	155,719	1/2	141,785	1/2	126,760	1/2	111,734	1/2	96,692
3/4	3/4	3/4	3/4	3/4	186,836	3/4	176,493	3/4	166,120	3/4	155,478	3/4	141,472	3/4	126,447	3/4	111,421	3/4	96,378
5	5	5	5	5	186,622	5	176,278	5	165,903	5	155,238	5	141,159	5	126,134	5	111,108	5	96,065
1/4	1/4	1/4	1/4	1/4	186,408	1/4	176,062	1/4	165,687	1/4	154,997	1/4	140,846	1/4	125,821	1/4	110,795	1/4	95,751
1/2	1/2	1/2	1/2	1/2	186,193	1/2	175,846	1/2	165,471	1/2	154,756	1/2	140,533	1/2	125,507	1/2	110,482	1/2	95,438
3/4	3/4	3/4	3/4	3/4	185,979	3/4	175,630	3/4	165,254	3/4	154,516	3/4	140,220	3/4	125,194	3/4	110,169	3/4	95,124
6	6	6	6	6	185,765	6	175,414	6	165,038	6	154,275	6	139,907	6	124,881	6	109,855	6	94,811
1/4	1/4	1/4	1/4	1/4	185,551	1/4	175,199	1/4	164,822	1/4	154,034	1/4	139,594	1/4	124,568	1/4	109,542	1/4	94,497
1/2	1/2	1/2	1/2	1/2	194,977	1/2	185,336	1/2	174,983	1/2	164,605	1/2	153,794	1/2	139,281	1/2	124,255	1/2	109,229
3/4	3/4	3/4	3/4	3/4	194,858	3/4	185,121	3/4	174,767	3/4	164,389	3/4	153,553	3/4	138,968	3/4	123,942	3/4	108,916
7	7	7	7	7	194,739	7	184,907	7	174,551	7	164,172	7	153,312	7	138,655	7	123,629	7	108,602
1/4	1/4	1/4	1/4	1/4	194,619	1/4	184,692	1/4	174,336	1/4	163,956	1/4	153,071	1/4	138,342	1/4	123,316	1/4	108,289
1/2	1/2	1/2	1/2	1/2	194,500	1/2	184,477	1/2	174,120	1/2	163,740	1/2	152,831	1/2	138,029	1/2	123,003	1/2	107,975
3/4	3/4	3/4	3/4	3/4	194,336	3/4	184,261	3/4	173,904	3/4	163,523	3/4	152,564	3/4	137,716	3/4	122,690	3/4	107,662
8	8	8	8	8	194,172	8	184,045	8	173,688	8	163,307	8	152,296	8	137,403	8	122,377	8	107,348
1/4	1/4	1/4	1/4	1/4	194,008	1/4	183,830	1/4	173,472	1/4	163,090	1/4	152,029	1/4	137,090	1/4	122,064	1/4	107,035
1/2	1/2	1/2	1/2	1/2	193,844	1/2	183,614	1/2	173,257	1/2	162,874	1/2	151,762	1/2	136,777	1/2	121,751	1/2	106,721
3/4	3/4	3/4	3/4	3/4	193,645	3/4	183,398	3/4	173,041	3/4	162,658	3/4	151,451	3/4	136,464	3/4	121,438	3/4	106,408
9	9	9	9	9	193,445	9	183,182	9	172,825	9	162,441	9	151,139	9	136,150	9	121,125	9	106,095
1/4	1/4	1/4	1/4	1/4	193,245	1/4	182,967	1/4	172,609	1/4	162,225	1/4	150,828	1/4	135,837	1/4	120,812	1/4	105,781
1/2	1/2	1/2	1/2	1/2	193,045	1/2	182,751	1/2	172,394	1/2	162,009	1/2	150,516	1/2	135,524	1/2	120,499	1/2	105,468
3/4	3/4	3/4	3/4	3/4	192,832	3/4	182,535	3/4	172,178	3/4	161,792	3/4	150,205	3/4	135,211	3/4	120,186	3/4	105,154
10	10	10	10	10	192,619	10	182,319	10	171,962	10	161,576	10	149,893	10	134,898	10	119,873	10	104,841
1/4	1/4	1/4	1/4	1/4	192,405	1/4	182,103	1/4	171,746	1/4	161,359	1/4	149,582	1/4	134,585	1/4	119,560	1/4	104,527
1/2	1/2	1/2	1/2	1/2	192,192	1/2	181,888	1/2	171,530	1/2	161,143	1/2	149,271	1/2	134,272	1/2	119,247	1/2	104,214
3/4	3/4	3/4	3/4	3/4	191,978	3/4	181,672	3/4	171,313	3/4	160,927	3/4	148,959	3/4	133,959	3/4	118,934	3/4	103,901
11	11	11	11	11	191,764	11	181,456	11	171,097	11	160,710	11	148,648	11	133,646	11	118,621	11	103,587
1/4	1/4	1/4	1/4	1/4	191,550	1/4	181,240	1/4	170,880	1/4	160,494	1/4	148,337	1/4	133,333	1/4	118,308	1/4	103,274
1/2	1/2	1/2	1/2	1/2	191,336	1/2	181,025	1/2	170,664	1/2	160,277	1/2	148,025	1/2	133,020	1/2	117,995	1/2	102,960
3/4	3/4	3/4	3/4	3/4	191,121	3/4	180,809	3/4	170,448	3/4	160,061	3/4	147,714	3/4	132,707	3/4	117,682	3/4	102,647

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "HERMETIC" VALVE  
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "NGL 3021"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	86,975	1/4	71,930	1/4	56,885	1/4	41,854	1/4	26,818	1/4	11,774	1/4		1/4		1/4		1/4		1/4	
1/2	86,662	1/2	71,617	1/2	56,572	1/2	41,541	1/2	26,505	1/2	11,460	1/2		1/2		1/2		1/2		1/2	
3/4	86,348	3/4	71,303	3/4	56,258	3/4	41,228	3/4	26,191	3/4	11,147	3/4		3/4		3/4		3/4		3/4	
<b>1</b>	<b>86,035</b>	<b>1</b>	<b>70,990</b>	<b>1</b>	<b>55,945</b>	<b>1</b>	<b>40,916</b>	<b>1</b>	<b>25,878</b>	<b>1</b>	<b>10,833</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
1/4	85,721	1/4	70,676	1/4	55,631	1/4	40,603	1/4	25,564	1/4	10,520	1/4		1/4		1/4		1/4		1/4	
1/2	85,408	1/2	70,363	1/2	55,318	1/2	40,290	1/2	25,251	1/2	10,207	1/2		1/2		1/2		1/2		1/2	
3/4	85,094	3/4	70,049	3/4	55,005	3/4	39,977	3/4	24,938	3/4	9,893	3/4		3/4		3/4		3/4		3/4	
<b>2</b>	<b>84,781</b>	<b>2</b>	<b>69,736</b>	<b>2</b>	<b>54,691</b>	<b>2</b>	<b>39,664</b>	<b>2</b>	<b>24,624</b>	<b>2</b>	<b>9,580</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>
1/4	84,468	1/4	69,423	1/4	54,378	1/4	39,351	1/4	24,311	1/4	9,266	1/4		1/4		1/4		1/4		1/4	
1/2	84,154	1/2	69,109	1/2	54,064	1/2	39,039	1/2	23,997	1/2	8,953	1/2		1/2		1/2		1/2		1/2	
3/4	83,841	3/4	68,796	3/4	53,751	3/4	38,726	3/4	23,684	3/4	8,639	3/4		3/4		3/4		3/4		3/4	
<b>3</b>	<b>83,527</b>	<b>3</b>	<b>68,482</b>	<b>3</b>	<b>53,437</b>	<b>3</b>	<b>38,413</b>	<b>3</b>	<b>23,370</b>	<b>3</b>	<b>8,326</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>
1/4	83,214	1/4	68,169	1/4	53,124	1/4	38,100	1/4	23,057	1/4	8,013	1/4		1/4		1/4		1/4		1/4	
1/2	82,900	1/2	67,855	1/2	52,810	1/2	37,787	1/2	22,744	1/2	7,699	1/2		1/2		1/2		1/2		1/2	
3/4	82,587	3/4	67,542	3/4	52,497	3/4	37,474	3/4	22,430	3/4	7,386	3/4		3/4		3/4		3/4		3/4	
<b>4</b>	<b>82,273</b>	<b>4</b>	<b>67,229</b>	<b>4</b>	<b>52,184</b>	<b>4</b>	<b>37,161</b>	<b>4</b>	<b>22,117</b>	<b>4</b>	<b>7,072</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>
1/4	81,960	1/4	66,915	1/4	51,870	1/4	36,848	1/4	21,803	1/4	6,759	1/4		1/4		1/4		1/4		1/4	
1/2	81,647	1/2	66,602	1/2	51,557	1/2	36,534	1/2	21,490	1/2	6,445	1/2		1/2		1/2		1/2		1/2	
3/4	81,333	3/4	66,288	3/4	51,243	3/4	36,221	3/4	21,176	3/4	6,132	3/4		3/4		3/4		3/4		3/4	
<b>5</b>	<b>81,020</b>	<b>5</b>	<b>65,975</b>	<b>5</b>	<b>50,930</b>	<b>5</b>	<b>35,908</b>	<b>5</b>	<b>20,863</b>	<b>5</b>	<b>5,819</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>
1/4	80,706	1/4	65,661	1/4	50,616	1/4	35,594	1/4	20,550	1/4	5,505	1/4		1/4		1/4		1/4		1/4	
1/2	80,393	1/2	65,348	1/2	50,303	1/2	35,281	1/2	20,236	1/2	5,192	1/2		1/2		1/2		1/2		1/2	
3/4	80,079	3/4	65,034	3/4	49,990	3/4	34,967	3/4	19,923	3/4	4,879	3/4		3/4		3/4		3/4		3/4	
<b>6</b>	<b>79,766</b>	<b>6</b>	<b>64,721</b>	<b>6</b>	<b>49,676</b>	<b>6</b>	<b>34,654</b>	<b>6</b>	<b>19,609</b>	<b>6</b>	<b>4,565</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>
1/4	79,453	1/4	64,408	1/4	49,363	1/4	34,340	1/4	19,296	1/4	4,252	1/4		1/4		1/4		1/4		1/4	
1/2	79,139	1/2	64,094	1/2	49,050	1/2	34,027	1/2	18,982	1/2	3,939	1/2		1/2		1/2		1/2		1/2	
3/4	78,826	3/4	63,781	3/4	48,737	3/4	33,714	3/4	18,669	3/4	3,626	3/4		3/4		3/4		3/4		3/4	
<b>7</b>	<b>78,512</b>	<b>7</b>	<b>63,467</b>	<b>7</b>	<b>48,424</b>	<b>7</b>	<b>33,400</b>	<b>7</b>	<b>18,356</b>	<b>7</b>	<b>3,314</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>
1/4	78,199	1/4	63,154	1/4	48,111	1/4	33,087	1/4	18,042	1/4	3,001	1/4		1/4		1/4		1/4		1/4	
1/2	77,885	1/2	62,840	1/2	47,798	1/2	32,773	1/2	17,729	1/2	2,689	1/2		1/2		1/2		1/2		1/2	
3/4	77,572	3/4	62,527	3/4	47,485	3/4	32,460	3/4	17,415	3/4	2,396	3/4		3/4		3/4		3/4		3/4	
<b>8</b>	<b>77,258</b>	<b>8</b>	<b>62,214</b>	<b>8</b>	<b>47,172</b>	<b>8</b>	<b>32,146</b>	<b>8</b>	<b>17,102</b>	<b>8</b>	<b>2,103</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>
1/4	76,945	1/4	61,900	1/4	46,860	1/4	31,833	1/4	16,788	1/4	1,810	1/4		1/4		1/4		1/4		1/4	
1/2	76,632	1/2	61,587	1/2	46,547	1/2	31,520	1/2	16,475	1/2	1,517	1/2		1/2		1/2		1/2		1/2	
3/4	76,318	3/4	61,273	3/4	46,234	3/4	31,206	3/4	16,162	3/4	1,295	3/4		3/4		3/4		3/4		3/4	
<b>9</b>	<b>76,005</b>	<b>9</b>	<b>60,960</b>	<b>9</b>	<b>45,921</b>	<b>9</b>	<b>30,893</b>	<b>9</b>	<b>15,848</b>	<b>9</b>	<b>1,073</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>
1/4	75,691	1/4	60,646	1/4	45,608	1/4	30,579	1/4	15,535	1/4	851	1/4		1/4		1/4		1/4		1/4	
1/2	75,378	1/2	60,333	1/2	45,295	1/2	30,266	1/2	15,221	1/2	629	1/2		1/2		1/2		1/2		1/2	
3/4	75,064	3/4	60,019	3/4	44,983	3/4	29,952	3/4	14,908	3/4		3/4		3/4		3/4		3/4		3/4	
<b>10</b>	<b>74,751</b>	<b>10</b>	<b>59,706</b>	<b>10</b>	<b>44,670</b>	<b>10</b>	<b>29,639</b>	<b>10</b>	<b>14,595</b>	<b>10</b>		<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
1/4	74,438	1/4	59,393	1/4	44,357	1/4	29,326	1/4	14,281	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	74,124	1/2	59,079	1/2	44,044	1/2	29,012	1/2	13,968	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	73,811	3/4	58,766	3/4	43,731	3/4	28,699	3/4	13,654	3/4		3/4		3/4		3/4		3/4		3/4	
<b>11</b>	<b>73,497</b>	<b>11</b>	<b>58,452</b>	<b>11</b>	<b>43,418</b>	<b>11</b>	<b>28,385</b>	<b>11</b>	<b>13,341</b>	<b>11</b>		<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>
1/4	73,184	1/4	58,139	1/4	43,106	1/4	28,072	1/4	13,027	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	72,870	1/2	57,825	1/2	42,793	1/2	27,758	1/2	12,714	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	72,557	3/4	57,512	3/4	42,480	3/4	27,445	3/4	12,401	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/23/2019 CL  
CALCULATED: 04/25/2019 CL  
PRINTED: 04/25/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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<http://www.pmacorp.net>



# BARGE "NGL 3021"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	189,369	0	179,062	0	168,710	0	158,335	0	145,722	0	130,754	0	115,778	0	100,790		
1/4	1/4	1/4	189,155	1/4	178,847	1/4	168,494	1/4	158,119	1/4	145,412	1/4	130,442	1/4	114,466	1/4	100,478		
1/2	1/2	1/2	188,941	1/2	178,631	1/2	168,278	1/2	157,902	1/2	145,102	1/2	130,130	1/2	115,154	1/2	100,165		
3/4	3/4	3/4	188,727	3/4	178,416	3/4	168,062	3/4	157,686	3/4	144,791	3/4	129,818	3/4	114,843	3/4	99,852		
1	1	1	188,512	1	178,200	1	167,846	1	157,470	1	144,481	1	129,506	1	114,531	1	99,540		
1/4	1/4	1/4	188,298	1/4	177,985	1/4	167,629	1/4	157,245	1/4	144,170	1/4	129,194	1/4	114,219	1/4	99,227		
1/2	1/2	1/2	188,084	1/2	177,769	1/2	167,413	1/2	157,020	1/2	143,859	1/2	128,882	1/2	113,907	1/2	98,915		
3/4	3/4	3/4	187,870	3/4	177,554	3/4	167,197	3/4	156,794	3/4	143,549	3/4	128,570	3/4	113,595	3/4	98,602		
2	2	2	187,656	2	177,338	2	166,981	2	156,569	2	143,238	2	128,258	2	113,283	2	98,290		
1/4	1/4	1/4	187,442	1/4	177,122	1/4	166,765	1/4	156,329	1/4	142,926	1/4	127,946	1/4	112,972	1/4	97,977		
1/2	1/2	1/2	187,228	1/2	176,907	1/2	166,549	1/2	156,088	1/2	142,614	1/2	127,634	1/2	112,660	1/2	97,665		
3/4	3/4	3/4	187,014	3/4	176,691	3/4	166,333	3/4	155,848	3/4	142,301	3/4	127,322	3/4	112,348	3/4	97,352		
3	3	3	186,800	3	176,476	3	166,116	3	155,607	3	141,989	3	127,009	3	112,036	3	97,040		
1/4	1/4	1/4	186,586	1/4	176,260	1/4	165,900	1/4	155,367	1/4	141,677	1/4	126,697	1/4	111,724	1/4	96,727		
1/2	1/2	1/2	186,372	1/2	176,045	1/2	165,684	1/2	155,126	1/2	141,365	1/2	126,385	1/2	111,412	1/2	96,414		
3/4	3/4	3/4	186,158	3/4	175,829	3/4	165,468	3/4	154,886	3/4	141,053	3/4	126,073	3/4	111,101	3/4	96,102		
4	4	4	185,944	4	175,614	4	165,252	4	154,646	4	140,741	4	125,761	4	110,789	4	95,789		
1/4	1/4	1/4	185,730	1/4	175,398	1/4	165,036	1/4	154,405	1/4	140,429	1/4	125,449	1/4	110,477	1/4	95,477		
1/2	1/2	1/2	185,516	1/2	175,183	1/2	164,819	1/2	154,165	1/2	140,117	1/2	125,137	1/2	110,165	1/2	95,164		
3/4	3/4	3/4	185,302	3/4	174,967	3/4	164,603	3/4	153,924	3/4	139,805	3/4	124,825	3/4	109,853	3/4	94,852		
5	5	5	185,088	5	174,751	5	164,387	5	153,684	5	139,493	5	124,513	5	109,541	5	94,539		
1/4	1/4	1/4	184,874	1/4	174,536	1/4	164,171	1/4	153,443	1/4	139,181	1/4	124,201	1/4	109,228	1/4	94,227		
1/2	1/2	1/2	184,660	1/2	174,320	1/2	163,955	1/2	153,203	1/2	138,869	1/2	123,889	1/2	108,916	1/2	93,914		
3/4	3/4	3/4	184,446	3/4	174,105	3/4	163,739	3/4	152,963	3/4	138,556	3/4	123,577	3/4	108,604	3/4	93,601		
6	6	193,862	184,232	6	173,889	6	163,522	6	152,722	6	138,244	6	123,265	6	108,291	6	93,289		
1/4	1/4	193,743	184,017	1/4	173,674	1/4	163,306	1/4	152,482	1/4	137,932	1/4	122,952	1/4	107,979	1/4	92,976		
1/2	1/2	193,624	183,803	1/2	173,458	1/2	163,090	1/2	152,241	1/2	137,620	1/2	122,640	1/2	107,666	1/2	92,664		
3/4	3/4	193,505	183,588	3/4	173,243	3/4	162,874	3/4	152,001	3/4	137,308	3/4	122,328	3/4	107,354	3/4	92,351		
7	7	193,386	183,373	7	173,027	7	162,658	7	151,760	7	136,996	7	122,016	7	107,041	7	92,039		
1/4	1/4	193,222	183,158	1/4	172,811	1/4	162,442	1/4	151,494	1/4	136,684	1/4	121,704	1/4	106,729	1/4	91,726		
1/2	1/2	193,058	182,942	1/2	172,596	1/2	162,226	1/2	151,227	1/2	136,372	1/2	121,392	1/2	106,416	1/2	91,414		
3/4	3/4	192,895	182,727	3/4	172,380	3/4	162,009	3/4	150,960	3/4	136,060	3/4	121,080	3/4	106,104	3/4	91,101		
8	8	192,731	182,511	8	172,165	8	161,793	8	150,693	8	135,748	8	120,768	8	105,791	8	90,788		
1/4	1/4	192,531	182,296	1/4	171,949	1/4	161,577	1/4	150,382	1/4	135,436	1/4	120,456	1/4	105,478	1/4	90,476		
1/2	1/2	192,332	182,080	1/2	171,734	1/2	161,361	1/2	150,071	1/2	135,124	1/2	120,144	1/2	105,166	1/2	90,163		
3/4	3/4	192,132	181,865	3/4	171,518	3/4	161,145	3/4	149,760	3/4	134,812	3/4	119,832	3/4	104,853	3/4	89,851		
9	9	191,933	181,649	9	171,303	9	160,929	9	149,449	9	134,499	9	119,520	9	104,541	9	89,538		
1/4	1/4	191,719	181,433	1/4	171,087	1/4	160,712	1/4	149,138	1/4	134,187	1/4	119,208	1/4	104,228	1/4	89,227		
1/2	1/2	191,506	181,218	1/2	170,871	1/2	160,496	1/2	148,827	1/2	133,875	1/2	118,896	1/2	103,916	1/2	88,915		
3/4	3/4	191,293	181,002	3/4	170,655	3/4	160,280	3/4	148,516	3/4	133,563	3/4	118,584	3/4	103,603	3/4	88,604		
10	10	191,080	180,787	10	170,440	10	160,064	10	148,205	10	133,251	10	118,273	10	103,291	10	88,292		
1/4	1/4	190,866	180,571	1/4	170,223	1/4	159,848	1/4	147,895	1/4	132,939	1/4	117,961	1/4	102,978	1/4	87,983		
1/2	1/2	190,653	180,356	1/2	170,007	1/2	159,632	1/2	147,584	1/2	132,627	1/2	117,649	1/2	102,665	1/2	87,673		
3/4	3/4	190,439	180,140	3/4	169,791	3/4	159,415	3/4	147,273	3/4	132,315	3/4	117,337	3/4	102,353	3/4	87,364		
11	11	190,225	179,925	11	169,575	11	159,199	11	146,963	11	132,003	11	117,025	11	102,040	11	87,054		
1/4	1/4	190,011	179,709	1/4	169,359	1/4	158,983	1/4	146,652	1/4	131,691	1/4	116,713	1/4	101,728	1/4	86,744		
1/2	1/2	189,797	179,493	1/2	169,143	1/2	158,767	1/2	146,342	1/2	131,379	1/2	116,402	1/2	101,415	1/2	86,435		
3/4	3/4	189,583	179,278	3/4	168,926	3/4	158,551	3/4	146,032	3/4	131,067	3/4	116,090	3/4	101,103	3/4	86,125		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "HERMETIC" VALVE  
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "NGL 3021"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	85,815	0	70,927	0	56,191	0	41,443	0	26,446	0	11,442	0		0		0		0	
1/4	85,506	1/4	70,615	1/4	55,889	1/4	41,131	1/4	26,133	1/4	11,129	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,196	1/2	70,302	1/2	55,588	1/2	40,819	1/2	25,821	1/2	10,817	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,887	3/4	69,990	3/4	55,286	3/4	40,507	3/4	25,508	3/4	10,504	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	84,577	1	69,678	1	54,985	1	40,195	1	25,195	1	10,192	1	1	1	1	1	1	1	1
1/4	84,267	1/4	69,365	1/4	54,683	1/4	39,883	1/4	24,883	1/4	9,879	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,958	1/2	69,053	1/2	54,382	1/2	39,571	1/2	24,570	1/2	9,566	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,648	3/4	68,741	3/4	54,081	3/4	39,259	3/4	24,258	3/4	9,254	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	83,338	2	68,428	2	53,779	2	38,947	2	23,945	2	8,941	2	2	2	2	2	2	2	2
1/4	83,029	1/4	68,116	1/4	53,478	1/4	38,635	1/4	23,632	1/4	8,628	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,719	1/2	67,804	1/2	53,176	1/2	38,323	1/2	23,320	1/2	8,316	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,410	3/4	67,491	3/4	52,875	3/4	38,011	3/4	23,007	3/4	8,003	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	82,100	3	67,179	3	52,573	3	37,699	3	22,694	3	7,690	3	3	3	3	3	3	3	3
1/4	81,790	1/4	66,867	1/4	52,272	1/4	37,387	1/4	22,382	1/4	7,378	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,481	1/2	66,555	1/2	51,971	1/2	37,074	1/2	22,069	1/2	7,065	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,171	3/4	66,242	3/4	51,669	3/4	36,762	3/4	21,757	3/4	6,752	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	80,861	4	65,930	4	51,368	4	36,450	4	21,444	4	6,439	4	4	4	4	4	4	4	4
1/4	80,552	1/4	65,618	1/4	51,066	1/4	36,137	1/4	21,132	1/4	6,126	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,242	1/2	65,305	1/2	50,763	1/2	35,824	1/2	20,819	1/2	5,813	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,933	3/4	64,993	3/4	50,461	3/4	35,512	3/4	20,507	3/4	5,500	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	79,623	5	64,680	5	50,159	5	35,199	5	20,194	5	5,187	5	5	5	5	5	5	5	5
1/4	79,313	1/4	64,371	1/4	49,853	1/4	34,886	1/4	19,882	1/4	4,874	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,004	1/2	64,061	1/2	49,546	1/2	34,574	1/2	19,569	1/2	4,561	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,694	3/4	63,751	3/4	49,239	3/4	34,261	3/4	19,257	3/4	4,248	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	78,384	6	63,442	6	48,933	6	33,949	6	18,945	6	3,935	6	6	6	6	6	6	6	6
1/4	78,075	1/4	63,137	1/4	48,620	1/4	33,636	1/4	18,632	1/4	3,623	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,765	1/2	62,833	1/2	48,308	1/2	33,323	1/2	18,320	1/2	3,310	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,456	3/4	62,528	3/4	47,996	3/4	33,011	3/4	18,007	3/4	2,998	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	77,146	7	62,224	7	47,684	7	32,698	7	17,694	7	2,686	7	7	7	7	7	7	7	7
1/4	76,836	1/4	61,921	1/4	47,372	1/4	32,386	1/4	17,382	1/4	2,393	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,527	1/2	61,618	1/2	47,060	1/2	32,073	1/2	17,069	1/2	2,101	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,217	3/4	61,316	3/4	46,748	3/4	31,760	3/4	16,757	3/4	1,808	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	75,907	8	61,013	8	46,436	8	31,448	8	16,444	8	1,516	8	8	8	8	8	8	8	8
1/4	75,598	1/4	60,712	1/4	46,124	1/4	31,135	1/4	16,131	1/4	1,294	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,288	1/2	60,410	1/2	45,812	1/2	30,822	1/2	15,819	1/2	1,072	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,979	3/4	60,109	3/4	45,500	3/4	30,510	3/4	15,506	3/4	850	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	74,669	9	59,808	9	45,188	9	30,197	9	15,193	9	629	9	9	9	9	9	9	9	9
1/4	74,358	1/4	59,506	1/4	44,876	1/4	29,885	1/4	14,881	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,048	1/2	59,205	1/2	44,564	1/2	29,572	1/2	14,568	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,737	3/4	58,903	3/4	44,252	3/4	29,259	3/4	14,256	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	73,426	10	58,602	10	43,940	10	28,947	10	13,943	10		10	10	10	10	10	10	10	10
1/4	73,114	1/4	58,300	1/4	43,628	1/4	28,634	1/4	13,630	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,802	1/2	57,999	1/2	43,316	1/2	28,322	1/2	13,318	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,489	3/4	57,698	3/4	43,004	3/4	28,009	3/4	13,005	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	72,177	11	57,396	11	42,692	11	27,696	11	12,693	11		11	11	11	11	11	11	11	11
1/4	71,864	1/4	57,095	1/4	42,380	1/4	27,384	1/4	12,380	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,552	1/2	56,793	1/2	42,068	1/2	27,071	1/2	12,067	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,240	3/4	56,492	3/4	41,755	3/4	26,758	3/4	11,755	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/23/2019 CL  
CALCULATED: 04/25/2019 CL  
PRINTED: 04/25/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "NGL 3021"

## PORT SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GUAGE HEIGHT 5'-06"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	4,054	0	2,895	0	1,738	0	579	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	4,030	1/4	2,871	1/4	1,714	1/4	555	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1/2	1/2	4,006	1/2	2,847	1/2	1,690	1/2	531	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	3/4	3/4	3,981	3/4	2,823	3/4	1,666	3/4	507	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
1	1	1	3,957	1	2,798	1	1,642	1	483	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	3,933	1/4	2,774	1/4	1,618	1/4	459	1/4	1	1/4	1	1/4	1	1/4	1	1/4	1
1/2	1/2	1/2	3,909	1/2	2,750	1/2	1,593	1/2	435	1/2	1	1/2	1	1/2	1	1/2	1	1/2	1
3/4	3/4	3/4	3,885	3/4	2,726	3/4	1,569	3/4	410	3/4	1	3/4	1	3/4	1	3/4	1	3/4	1
2	2	2	3,861	2	2,702	2	1,545	2	386	2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	3,837	1/4	2,678	1/4	1,521	1/4	362	1/4	2	1/4	2	1/4	2	1/4	2	1/4	2
1/2	1/2	1/2	3,812	1/2	2,654	1/2	1,497	1/2	338	1/2	2	1/2	2	1/2	2	1/2	2	1/2	2
3/4	3/4	3/4	3,788	3/4	2,629	3/4	1,473	3/4	314	3/4	2	3/4	2	3/4	2	3/4	2	3/4	2
3	3	3	3,764	3	2,605	3	1,449	3	290	3	3	3	3	3	3	3	3	3	3
1/4	1/4	1/4	3,740	1/4	2,581	1/4	1,424	1/4	266	1/4	3	1/4	3	1/4	3	1/4	3	1/4	3
1/2	1/2	1/2	3,716	1/2	2,557	1/2	1,400	1/2	241	1/2	3	1/2	3	1/2	3	1/2	3	1/2	3
3/4	3/4	3/4	3,692	3/4	2,533	3/4	1,376	3/4	217	3/4	3	3/4	3	3/4	3	3/4	3	3/4	3
4	4	4	3,668	4	2,509	4	1,352	4	193	4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	3,643	1/4	2,485	1/4	1,328	1/4	169	1/4	4	1/4	4	1/4	4	1/4	4	1/4	4
1/2	1/2	1/2	3,619	1/2	2,460	1/2	1,304	1/2	145	1/2	4	1/2	4	1/2	4	1/2	4	1/2	4
3/4	3/4	3/4	3,595	3/4	2,436	3/4	1,280	3/4	121	3/4	4	3/4	4	3/4	4	3/4	4	3/4	4
5	5	5	3,571	5	2,412	5	1,255	5	97	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	3,547	1/4	2,388	1/4	1,231	1/4	72	1/4	5	1/4	5	1/4	5	1/4	5	1/4	5
1/2	1/2	1/2	3,523	1/2	2,364	1/2	1,207	1/2	48	1/2	5	1/2	5	1/2	5	1/2	5	1/2	5
3/4	3/4	3/4	3,499	3/4	2,340	3/4	1,183	3/4	24	3/4	5	3/4	5	3/4	5	3/4	5	3/4	5
6	6	4,627	6	3,474	6	2,316	6	1,159	6	0	6	6	6	6	6	6	6	6	6
1/4	1/4	4,603	1/4	3,450	1/4	2,291	1/4	1,135	1/4	0	6	1/4	6	1/4	6	1/4	6	1/4	6
1/2	1/2	4,580	1/2	3,426	1/2	2,267	1/2	1,111	1/2	0	6	1/2	6	1/2	6	1/2	6	1/2	6
3/4	3/4	4,556	3/4	3,402	3/4	2,243	3/4	1,086	3/4	0	6	3/4	6	3/4	6	3/4	6	3/4	6
7	7	4,532	7	3,378	7	2,219	7	1,062	7	7	7	7	7	7	7	7	7	7	7
1/4	1/4	4,508	1/4	3,354	1/4	2,195	1/4	1,038	1/4	7	7	1/4	7	1/4	7	1/4	7	1/4	7
1/2	1/2	4,484	1/2	3,330	1/2	2,171	1/2	1,014	1/2	7	7	1/2	7	1/2	7	1/2	7	1/2	7
3/4	3/4	4,460	3/4	3,305	3/4	2,147	3/4	990	3/4	7	7	3/4	7	3/4	7	3/4	7	3/4	7
8	8	4,437	8	3,281	8	2,122	8	966	8	8	8	8	8	8	8	8	8	8	8
1/4	1/4	4,413	1/4	3,257	1/4	2,098	1/4	942	1/4	8	8	1/4	8	1/4	8	1/4	8	1/4	8
1/2	1/2	4,389	1/2	3,233	1/2	2,074	1/2	917	1/2	8	8	1/2	8	1/2	8	1/2	8	1/2	8
3/4	3/4	4,365	3/4	3,209	3/4	2,050	3/4	893	3/4	8	8	3/4	8	3/4	8	3/4	8	3/4	8
9	9	4,341	9	3,185	9	2,026	9	869	9	9	9	9	9	9	9	9	9	9	9
1/4	1/4	4,317	1/4	3,161	1/4	2,002	1/4	845	1/4	9	9	1/4	9	1/4	9	1/4	9	1/4	9
1/2	1/2	4,293	1/2	3,136	1/2	1,978	1/2	821	1/2	9	9	1/2	9	1/2	9	1/2	9	1/2	9
3/4	3/4	4,270	3/4	3,112	3/4	1,954	3/4	797	3/4	9	9	3/4	9	3/4	9	3/4	9	3/4	9
10	10	4,246	10	3,088	10	1,930	10	773	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	4,222	1/4	3,064	1/4	1,906	1/4	748	1/4	10	10	1/4	10	1/4	10	1/4	10	1/4	10
1/2	1/2	4,198	1/2	3,040	1/2	1,882	1/2	724	1/2	10	10	1/2	10	1/2	10	1/2	10	1/2	10
3/4	3/4	4,174	3/4	3,016	3/4	1,858	3/4	700	3/4	10	10	3/4	10	3/4	10	3/4	10	3/4	10
11	11	4,150	11	2,992	11	1,834	11	676	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	4,126	1/4	2,967	1/4	1,810	1/4	652	1/4	11	11	1/4	11	1/4	11	1/4	11	1/4	11
1/2	1/2	4,102	1/2	2,943	1/2	1,786	1/2	628	1/2	11	11	1/2	11	1/2	11	1/2	11	1/2	11
3/4	3/4	4,078	3/4	2,919	3/4	1,762	3/4	604	3/4	11	11	3/4	11	3/4	11	3/4	11	3/4	11

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF "HERMETIC" VALVE

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PRECISION MEASUREMENT  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2019



# BARGE "NGL 3021"

## STBD SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-06"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	4,051	0	2,893	0	1,737	0	579	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	4,026	1/4	2,869	1/4	1,713	1/4	555	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1/2	1/2	4,002	1/2	2,844	1/2	1,689	1/2	531	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	3/4	3/4	3,978	3/4	2,820	3/4	1,664	3/4	507	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
1	1	1	3,954	1	2,796	1	1,640	1	482	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	3,930	1/4	2,772	1/4	1,616	1/4	458	1/4	1	1/4	1	1/4	1	1/4	1	1/4	1
1/2	1/2	1/2	3,906	1/2	2,748	1/2	1,592	1/2	434	1/2	1	1/2	1	1/2	1	1/2	1	1/2	1
3/4	3/4	3/4	3,882	3/4	2,724	3/4	1,568	3/4	410	3/4	1	3/4	1	3/4	1	3/4	1	3/4	1
2	2	2	3,858	2	2,700	2	1,544	2	386	2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	3,833	1/4	2,676	1/4	1,520	1/4	362	1/4	2	1/4	2	1/4	2	1/4	2	1/4	2
1/2	1/2	1/2	3,809	1/2	2,651	1/2	1,496	1/2	338	1/2	2	1/2	2	1/2	2	1/2	2	1/2	2
3/4	3/4	3/4	3,785	3/4	2,627	3/4	1,471	3/4	314	3/4	2	3/4	2	3/4	2	3/4	2	3/4	2
3	3	3	3,761	3	2,603	3	1,447	3	289	3	3	3	3	3	3	3	3	3	3
1/4	1/4	1/4	3,737	1/4	2,579	1/4	1,423	1/4	265	1/4	3	1/4	3	1/4	3	1/4	3	1/4	3
1/2	1/2	1/2	3,713	1/2	2,555	1/2	1,399	1/2	241	1/2	3	1/2	3	1/2	3	1/2	3	1/2	3
3/4	3/4	3/4	3,689	3/4	2,531	3/4	1,375	3/4	217	3/4	3	3/4	3	3/4	3	3/4	3	3/4	3
4	4	4	3,665	4	2,507	4	1,351	4	193	4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	3,640	1/4	2,483	1/4	1,327	1/4	169	1/4	4	1/4	4	1/4	4	1/4	4	1/4	4
1/2	1/2	1/2	3,616	1/2	2,458	1/2	1,303	1/2	145	1/2	4	1/2	4	1/2	4	1/2	4	1/2	4
3/4	3/4	3/4	3,592	3/4	2,434	3/4	1,278	3/4	121	3/4	4	3/4	4	3/4	4	3/4	4	3/4	4
5	5	5	3,568	5	2,410	5	1,254	5	96	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	3,544	1/4	2,386	1/4	1,230	1/4	72	1/4	5	1/4	5	1/4	5	1/4	5	1/4	5
1/2	1/2	1/2	3,520	1/2	2,362	1/2	1,206	1/2	48	1/2	5	1/2	5	1/2	5	1/2	5	1/2	5
3/4	3/4	3/4	3,496	3/4	2,338	3/4	1,182	3/4	24	3/4	5	3/4	5	3/4	5	3/4	5	3/4	5
6	6	4,624	6	3,472	6	2,314	6	1,158	0	6	6	6	6	6	6	6	6	6	6
1/4	1/4	4,600	1/4	3,448	1/4	2,290	1/4	1,134	0	6	6	6	6	6	6	6	6	6	6
1/2	1/2	4,576	1/2	3,423	1/2	2,266	1/2	1,110	0	6	6	6	6	6	6	6	6	6	6
3/4	3/4	4,552	3/4	3,399	3/4	2,241	3/4	1,086	0	6	6	6	6	6	6	6	6	6	6
7	7	4,528	7	3,375	7	2,217	7	1,061	0	7	7	7	7	7	7	7	7	7	7
1/4	1/4	4,504	1/4	3,351	1/4	2,193	1/4	1,037	0	7	7	7	7	7	7	7	7	7	7
1/2	1/2	4,481	1/2	3,327	1/2	2,169	1/2	1,013	0	7	7	7	7	7	7	7	7	7	7
3/4	3/4	4,457	3/4	3,303	3/4	2,145	3/4	989	0	7	7	7	7	7	7	7	7	7	7
8	8	4,433	8	3,279	8	2,121	8	965	0	8	8	8	8	8	8	8	8	8	8
1/4	1/4	4,409	1/4	3,255	1/4	2,097	1/4	941	0	8	8	8	8	8	8	8	8	8	8
1/2	1/2	4,385	1/2	3,230	1/2	2,073	1/2	917	0	8	8	8	8	8	8	8	8	8	8
3/4	3/4	4,361	3/4	3,206	3/4	2,048	3/4	893	0	8	8	8	8	8	8	8	8	8	8
9	9	4,338	9	3,182	9	2,024	9	868	0	9	9	9	9	9	9	9	9	9	9
1/4	1/4	4,314	1/4	3,158	1/4	2,000	1/4	844	0	9	9	9	9	9	9	9	9	9	9
1/2	1/2	4,290	1/2	3,134	1/2	1,976	1/2	820	0	9	9	9	9	9	9	9	9	9	9
3/4	3/4	4,266	3/4	3,110	3/4	1,952	3/4	796	0	9	9	9	9	9	9	9	9	9	9
10	10	4,242	10	3,086	10	1,928	10	772	0	10	10	10	10	10	10	10	10	10	10
1/4	1/4	4,219	1/4	3,062	1/4	1,905	1/4	748	0	10	10	10	10	10	10	10	10	10	10
1/2	1/2	4,195	1/2	3,037	1/2	1,881	1/2	724	0	10	10	10	10	10	10	10	10	10	10
3/4	3/4	4,171	3/4	3,013	3/4	1,857	3/4	700	0	10	10	10	10	10	10	10	10	10	10
11	11	4,147	11	2,989	11	1,833	11	675	0	11	11	11	11	11	11	11	11	11	11
1/4	1/4	4,123	1/4	2,965	1/4	1,809	1/4	651	0	11	11	11	11	11	11	11	11	11	11
1/2	1/2	4,099	1/2	2,941	1/2	1,785	1/2	627	0	11	11	11	11	11	11	11	11	11	11
3/4	3/4	4,075	3/4	2,917	3/4	1,761	3/4	603	0	11	11	11	11	11	11	11	11	11	11

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